PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference FOR FURTHER ACTION See Form PCT/IPEA/416					
117536 USN		ORTORIDE ACTION			
International application No.	International filing date (lay/month/year)	Priority date (day/month/year)		
PCT/SE2003/001918	10-12-2003				
International Patent Classification (IPC) of	or national classification and	i IPC			
See Supplemental Box					
Applicant					
Telefonaktiebolaget L	M Ericsson (n	ıbl) et al			
Tereronaktreboraget I	M HITCOBOII (P.	2017 00 01			
This report is the international pro Authority under Article 35 and to	1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.				
2. This REPORT consists of a total	of 4 sheets,	including this cover	r sheet.		
3. This report is also accompanied b	y ANNEXES, comprising:				
a. (sent to the applicant	t and to the International B	ureau) a total of	sheets, as follows:		
			e been amended and are the basis of this report		
and/or sheets	s containing rectifications a	uthorized by this Au	thority (see Rule 70.16 and Section 607 of the		
	ve Instructions).	it which this Author	rity considers contain an amendment that goes		
beyond the d	isclosure in the internation	al application as file	d, as indicated in item 4 of Box No. I and the		
Supplementa					
b. (sent to the Internation	onal Bureau only) a total o	(indicate type and a	number of electronic carrier(s))		
	, containin	g a sequence listing	and/or tables related thereto, in electronic		
form only, as indicat Administrative Instru		Relating to Sequen	ace Listing (see Section 802 of the		
		me.			
	of the report	113.			
Box No. II Priority	_				
·		h regard to novelty	inventive step and industrial applicability		
		ir rogard to noversy,	M. Company of the Com		
	of unity of invention	25(2) (4)			
Box No. V Reason	ned statement under Article ability; citations and explan	ations supporting su	o novelty, inventive step or industrial ach statement		
	n documents cited				
Box No. VII Certain	n defects in the internationa	l application			
Box No. VIII Certain	n observations on the intern	ational application			
Date of submission of the demand		Date of completion	of this report		
10-05-2005		13-03-2006			
Name and mailing address of the IPEA/S		Authorized officer			
Patent- och registreringsverket Box 5055	:				
S-102 42 STOCKHOLM		Bo Gustavsson/MN			
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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/001918

Supplement	al Box
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In case the space in any of the preceding boxes is not sufficient.

Continuation of: Cover sheet

International patent classification (IPC)

H01P 1/18 (2006.01) H03H 7/30 (2006.01)

Form PCT/IPEA/409 (Supplemental Box) (April 2005)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/001918

Box	No. I	Basis of the report				
1.	With r	egard to the language, this report is based on:				
	\boxtimes	the international application in the language in which it was filed				
		a translation of the international application into , which is the language of a translation furnished for the purposes of:				
		international search (Rules 12.3(a) and 23.1(b))				
		publication of the international application (Rule 12.4(a))				
		international preliminary examination (Rules 55.2(a) and/or 55.3(a))				
2.	furnish	Tith regard to the elements of the international application, this report is based on (replacement sheets which have been traished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):				
	\boxtimes	the international application as originally filed/furnished				
		the description:				
		pages as originally filed/furnished				
		pages* received by this Authority on				
		pages* received by this Authority on				
		the claims:				
		pages as originally filed/furnished				
		pages* as amended (together with any statement) under Article 19				
		pages* received by this Authority on pages* received by this Authority on				
	لــا	the drawings:				
		pages as originally filed/furnished pages* received by this Authority on				
		pages* received by this Authority on				
	Г	a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.				
		a sequence fishing and/or any related table(s) – see supplemental Box Relating to sequence Listing.				
3.		The amendments have resulted in the cancellation of:				
		the description, pages				
		the claims, Nos.				
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to the sequence listing (specify):				
4.		This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).				
		the description, pages				
		the claims, Nos.				
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to the sequence listing (specify):				
*		4 applies, some or all of those sheets may be marked "superseded."				

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/001918

Box No.	V Reasoned statement us citations and explanat		35(2) with regard to novelty, inventive step or ng such statement	industrial applicability;
1. Stat	tement			
	Novelty (N)	Claims Claims	1-5	YES NO
	Inventive step (IS)	Claims Claims	1-5	YES NO
	Industrial applicability (IA)	Claims Claims	1-5	YES NO

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: Proceedings of the Second IEEE Asia Pacific Conference on ASICs, 2000, AP-ASIC 2000, pages 349-350

D2: US 6125157 A1 D3: US 6350335 B1 D4: WO 9943036 A1

The cited documents represent the general state of the art. The invention defined in claims 1-5 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed delay-locked loop. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-5 is novel and is considered to involve an inventive step. The invention is industrially applicable.